

TECHNICAL WORK MAY NOT BEGIN PRIOR TO CO APPROVAL

NASA/GODDARD SPACE FLIGHT CENTER

REQUEST FOR TASK PLAN / TASK ORDER

CONTRACTOR	CONTRACT NO./TASK NO.	JOB ORDER NUMBER	APPROP. FY
QSS Group, Inc.	NAS5- 99124 176 AMENDMENT	423-428-35-01-89	2000

TASK TITLE: (NTE 80 characters; include Project name)

EDOS System Engineering Analysis

APPROVALS: (Type or print name and sign)

ASSISTANT TECHNICAL REPRESENTATIVE (OR TASK MONITOR)

DATE

ORG CODE

MAIL CODE

PHONE

Alan Johns

12/4/99

423

423

301-614-5401

BRANCH HEAD

DATE

CODE

PHONE

Steve Metcalf

12/6/99

423

301-614-5311

CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE (COTR)

DATE

CODE

PHONE

Robert S. Lehair, Jr.

12/7/99

560

301-286-6588

FLIGHT HARDWARE, CRITICAL GSE OR SOFTWARE?

CONTRACTING OFFICER'S QUALITY REP.

DESIGNATED FAM:

(If YES, NEED CODE 303 CONCURRENCE NEXT BLOCK)

☒ No ☐ YES

Larry Moore

The contractor shall identify and explain the reason for any deviations, exceptions, or conditional assumptions taken with respect to this Task Order or to any of the technical requirements of the Task Order Statement of Work and related specifications. The contractor shall complete and submit the required Reps and Certs.

(To be completed by Contracting Officer)

C.O. Requested Quote on:

Date: DEC - 9 1999

Contractor will develop specification or statement of work under this task for a future procurement. ☒ NO ☐ YES

Flight hardware will be shipped to GSFC for testing prior to final delivery. ☐ NO ☐ YES ☒ N/A

Government Furnished Property/Facilities: ☐ NO ☒ YES -- SEE LIST OF GFP (offsite only) / FACILITIES (onsite only)

Onsite Performance: ☐ NO ☒ YES If yes: ☐ TOTAL ☒ PARTIAL

If partial, indicate onsite work in SOW by asterisk (*)

Surveillance Plan Attached: ☒ NO ☐ YES

Highlighted Contract Clauses: (to be completed by Contracting Officer)

Per Clause H.14, Task Ordering Procedure, subparagraph (f), the effective date of this task order shall be January 1, 2000.

INCENTIVE FEE STRUCTURE (check one)

(See Contract NAS5-99124, Attachment K, Incentive Fee Plan)

	No. 1	No. 2	<input checked="" type="checkbox"/> No. 3	No. 4	No. 5
Cost	10%	50%	25%	25%	%
Schedule	15%	25%	25%	50%	%
Technical	75%	25%	50%	25%	%

(To be completed by Contracting Officer)

The target cost of this task order is \$ 1,112,415.

The target fee of this task order is \$ 13,448.

The total target cost and target fee of this task order as contemplated by the Incentive Fee clause of this contract is \$ 1,125,863.

The maximum fee is \$ 19,655.

The minimum fee is \$0.

AUTHORIZED SIGNATURE:

THIS TASK ASSIGNMENT IS ISSUED ACCORDING TO THE CONTRACT CLAUSE "TASK ASSIGNMENTS AND REPORTS"

Lorrie L. Eakin
SIGNATURE OF CONTRACTING OFFICER

1/21/00
DATE

Lorrie L. Eakin
Contracting Officer

TYPED NAME OF CONTRACTING OFFICER

CONTRACTOR'S ACCEPTANCE:

AUTHORIZED SIGNATURE

DATE

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QSS Group, Inc.	NAS5- 99124	176	

Applicable paragraphs from contract Statement of Work:

STATEMENT OF WORK: (Continue on blank paper if additional space is required)

See attached statement of work.

PERFORMANCE SPECIFICATIONS:

There are no hardware deliverables.

See attached statement of work for other performance specifications.

APPLICABLE DOCUMENTS:

None

TASK END DATE: 9/30/00

MILESTONES/DELIVERABLES AND DATES:

See attached statement of work.

PERFORMANCE STANDARDS:

Schedule: On-time delivery/completion of the milestones/deliverables.

Technical: ATR's acceptance of the deliverables.

FINAL DELIVERY DESTINATION (NAME, BLDG, ROOM):

Alan Johns, code 423, Bldg. 32, room E110B

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Contract NAS5-99124

STATEMENT OF WORK:

TASK #: 176

EDOS SYSTEMS ENGINEERING ANALYSIS

Task Start Date: January 1, 2000

The contractor shall provide systems engineering services to the EDOS Project of the ESDIS Project. These services include: operations concept development; requirements development and documentation maintenance; test engineering analysis; prototype development; Interface Control Document development and documentation maintenance; engineering analysis, system administration; EDOS project CM/DM activities; hardware procurement and installation; and facility management.

Specific Tasks:

- Review and report on the Phase C/D contractor system, hardware, and software design and system engineering products.
- Provide systems engineering analysis for requirements, interfaces, special studies, and analysis of new tasks.
- Perform hardware and software prototyping for validating concepts and to add specified simulation, data generation, and EDOS capabilities.
- Maintain the RTM Project Requirements database for level 3 requirements and associated information.
- Review Phase C/D contractor hardware documentation and submit technical evaluations for assigned items. Evaluate emerging technologies. Analyze and provide an evaluation of Phase C/D contractor hardware prototypes.
- Provide test engineering coordination, analysis, and reporting services.
- Provide configuration management (CM) and data management (DM) for EDOS Project.
- Verify EDOS software baseline.
- Provide hardware and software system administration services for the EDOS Project Office equipment in GSFC Building 32 and the contractor facilities. *
- Provide technical services for facility, hardware procurement and installations, and security-related tasks. *

Deliverables:

- System engineering analysis report 45 days following requested by ATR.
- Test analysis report within 15 days after test execution.
- CM and DM reports on last day of the month.

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- PCMB and DRB minutes and action items list within 7 days after PCMB and DRB meetings are held.
- DCN package 10 days following requested by ATR.
- Prototype system delivery and demonstration as specified by ATR request.
- RTM database updated within 21 days after updates are received from ATR.
- Updated Requirements document, ICDs, and IRDs 15 days after received from ATR.

Performance Specifications:

1. System engineering analysis: Acceptable performance is that the analysis of EDOS requirements, interfaces, and design efforts are accurately performed, completed in a timely manner, and impacts identified.
2. Hardware/software prototyping: Acceptable performance is that the prototyping performed to add specified simulation, data generation, and EDOS capabilities is accurate, and is completed according to the negotiated schedule for each specific activity.
3. RTM project requirements database maintenance: Acceptable performance is that the EDOS level 3 requirements and associated information is accurate and with minimal errors in the RTM database, and that all updates are completed in a timely fashion.
4. Hardware engineering support: Acceptable performance is that all hardware engineering studies, hardware interface documentation, and hardware prototype evaluations are accurate, are completed in a timely fashion, and contain minimal errors.
5. EDOS Discrepancy Review Board (DRB) support: Acceptable performance is that all DRB meeting minutes, reports, and database updates are completed in an accurate and timely fashion.
6. EDOS Testing Oversight Group (TOG) support: Acceptable performance is that analysis of EDOS system test materials is provided in a timely fashion with minimal errors, and that internal/external test schedules are updated and maintained in a timely and accurate fashion.
7. EDOS External Engineering Interface Test (EIF) Support: Acceptable performance is that the interface and test information generated for EIFs is accurate with minimal errors, and that regular attendance and participation in EIF test planning and coordination meetings is provided.
8. Documentation configuration management: Acceptable performance is that the CM process for documentation is accurately performed with minimal errors, that the contents of the

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EDOS library are complete and accurate, and that the ESDIS EDOS Manager is satisfied with the reports being generated.

9. EDOS software configuration verification: Acceptable performance is that the software verification process is accurately performed for the delivered EDOS software with minimal errors and that the ESDIS EDOS Manager is satisfied with the reports being generated.
10. Hardware and software system administration support: Acceptable performance is that the ESDIS EDOS Manager is satisfied that the system administration support is being completed accurately with minimal direction and oversight.